Creating a Seamless Harmony Between Implants and Natural Teeth in the Anterior Zone

The perception of an imperceptible esthetic oral rehabilitation is dictated by a smooth transition between the Pink and the White, but such an achievement is the result of careful treatment planning. In complex cases, mispositioned implants, lack of soft tissue, loss of papillae and soft tissue discoloration are challenging situations.

The lecture will highlight the treatment planning options and revisit the trends to rehabilitate highly challenging and demanding esthetic cases by using pink ceramics, implants, and/or veneers to improve the esthetic outcome.

Understanding Implant Biology for the Surgical and Restorative Dentist: Limiting Bone Loss

This presentation will showcase proven research and how to avoid problems by utilizing surgical and restorative workflows. By picking apart old dogmas in implant dentistry, one can get a more accurate understanding of the peri-implant biology and thus limit bone loss from the very beginning. Both surgeons and restorative doctors must understand these principles for the patient to benefit.

This lecture will provide the participants with the knowledge of how to limit bone loss on implants, understand both surgical and restorative principles and change protocols in order to think biologically and better capture the differences between teeth and implants.
Ideal Implant Design for a Long-Term Clinical Success

Implant therapy is presently a first-order therapeutic tool in dental practice. The long-term clinical success of implants is based on adequate osseointegration and more precisely by the optimal maintenance of the peri-implant hard tissue at the level of the implant neck. The biological and hardware interface is a critical element for the long-term stability of the treatment and its overall success. It is conditioned, from the biological point of view by the soft and hard tissues, and from the technological point of view by the implant design, the connection, and the prosthesis. Hundreds of implants, each one with a different design, are available on the market, and the choice of the ideal implant for each clinical situation is not a random or capricious matter.

This lecture will deal with the fundamentals of which implant(s) to choose for our patients.

Surgical Peri-Implant Soft Tissue Phenotype Modification and its Influence on Crestal Bone Stability

Stable crestal bone is an important factor for successful implant treatment. Many variables have been identified as possible reasons for crestal bone loss, this includes surgical, biological, and mechanical factors. Recent research has suggested that the lack of a minimal dimension of mucosal tissues leads inescapably to unnecessary bone loss.

This lecture will provide a contemporary and comprehensive overview of the influence of surgical peri-implant soft tissue augmentation on crestal bone stability.
Session III:
DIGITAL WORKFLOW - TIPS AND TRICKS

The Position of the Tissue and the Implant - How Digital Can Help Us Reaching Final Position

Aesthetics has become today one of the main driving forces of patients to the dental office. The oro-facial harmony does not depend only on the position, color, shape, or size of the crowns, but upon the relationship between the position and architecture of the soft and hard tissues.

The concept, “TISSUE” implies aesthetics and function. Different mucogingival techniques are designed to correct the position, volume, and characteristics of the soft tissue, to obtain a perfect finish for our cases around teeth and implants. But tissues will remain stable only in cases where the bone has been maintained or regenerated.

The lecture will first analyze the different techniques of hard tissue regeneration and how to achieve predictable and stable results. Then, it will show the tips and tricks that Digital Dentistry provides to plan in advance the optimal 3D position of the tissues and the implant; following the planification steps will lead to a predictable and perfect end.

Today, Digital Dentistry is a reality and it makes our practice a lot easier and much more predictable.

The Transition Zone in Implant Dentistry. The Biology Behind the Biomechanics

Managing the implant-prosthetic interface continues to be a challenge in our daily practice. Understanding the importance of planning ahead using guided surgery helps to manage the biological nuances and apply the recent hardware to restore healed and post-extraction sites in a predictable way.

This lecture will show how, in old cases, the tips and tricks of this new tech can bring new perspectives on the way to better treatment options.
Set the Stage Before You Even Start

In today’s dentistry, regardless of how complex a case is, the patient will be happy only if the final aesthetic outcome fits his/her expectations. Therefore, it is imperative to communicate to the patient (and the treatment team as well) the outlines of the final smile design even before the treatment planning is decided and approved. PRE-VISUALISATION is the mandatory step that leads to an aesthetically and functionally successful case; one should never start any procedure without visualizing the final result at the very beginning of the treatment.

Going back to basics, to previsualize the 3D final smile design in the mouth, the simplistic analog approach is the application of the direct mock-up in the mouth but the same can be obtained digitally with the available software.

The lecture will focus on how the treatment team should plan the case, by “reverse engineering”. This solid approach will exactly dictate how to plan and where to place the implants, how to fabricate the surgical guides and the provisionals before even getting into the surgical procedures; all that solely based on the new smile design that had been created at the very beginning of the treatment.